

CLAIMS

1. A pyrotechnic composition comprising nitrocellulose, an oxidizing agent, a fuel and a color producing agent as main components.

2. A pyrotechnic composition prepared by mixing nitrocellulose and a nitro compound other than nitrocellulose to prepare a composition in a gel form, mixing an oxidizing agent, a fuel and a color producing agent to the composition and then drying.

3. A pyrotechnic composition as claimed in Claim 2 wherein the composition in the gel form comprises 3 to 40 % by weight of nitrocellulose and 97 to 60 % by weight of the nitro compound other than nitrocellulose.

4. A pyrotechnic composition as claimed in any one of Claims 1 to 3 wherein the content of nitrocellulose in the pyrotechnic composition is 0.6 to 12 % by weight.

5. A pyrotechnic composition as claimed in any one of Claims 1 to 4 wherein the contents of the oxidizing agent, the fuel and the color producing agent are 40 to 60 % by weight, 10 to 25 % by weight and 15 to 50 % by weight, respectively.

6. A pyrotechnic composition as claimed in any one of Claims 1 to 5 which is a star or a lance of fireworks.

7. A method for the preparation of a pyrotechnic composition comprising mixing nitrocellulose and a nitro

compound other than nitrocellulose to prepare a composition in a gel form, mixing an oxidizing agent, a fuel and a color producing agent to the composition and then drying.

8. A method for the preparation of a pyrotechnic composition as claimed in Claim 7 wherein the composition in the gel form comprises 3 to 40 % by weight of nitrocellulose and 97 to 60 % by weight of the nitro compound other than nitrocellulose.

9. A method for the preparation of a pyrotechnic composition as claimed in Claim 7 or 8 wherein the amount of the composition in the gel form is 10 to 30 % by weight and the total amount of the oxidizing agent, the fuel and the color producing agent is 90 to 70 % by weight.

10. A method for the preparation of a pyrotechnic composition as claimed in any one of Claims 7 to 9 wherein the nitro compound other than nitrocellulose is nitroalkane.

11. A method for the preparation of a pyrotechnic composition as claimed in Claim 10 wherein the nitroalkane is one or more selected from the group consisting of nitromethane, nitroethane and nitropropane.

12. A method for the preparation of a pyrotechnic composition as claimed in any one of Claims 7 to 11 wherein the pyrotechnic composition is a star or a lance of fireworks.